

BCT Meeting Agenda
May 20, 2003, 10:00 - 16:00
Tetra Tech - San Francisco Office
135 Main Street, Suite 1800

- 1000 New Navy Business** (Keith Forman)
- New business
 - Next BCT meeting and review of upcoming meetings
- 1015 Basewide Groundwater Monitoring Plan Update** (Pat Brooks)
- Present overview of document
 - Schedule storyboard meeting with BCT
- 1100 Community Relations Plan Update** (Carolyn Hunter)
- Present results of CRP interviews
- 1115 Special Event –** (Doug Bielskis/Carolyn Hunter)
- Visit with 4th graders from Charles Drew Elementary (local BV/HP school)
- 1200 Lunch**
- 1300 Parcel B Update** (Ryan Ahlersmeyer/Pat Brooks)
- Provide update on status of shoreline data gaps field work
 - Provide update on five-year review document
 - Provide update on follow-on work at Building 123
 - Provide update on Navy review of BCT comments on draft CSR
- 1400 Discussion of Current Documents Under Review** (Keith Forman)
- Brief discussion of document and status of agency review
 - Identify potential need for follow-on discussion
- 1440 Radiological Program Update** (Steve Doremus)
- Update on HRA and related radiological information
- 1540 Document Review Matrix** (Keith Forman)
- 1550 Action Item List Review** (Keith Forman)
- 1600 Adjourn**



Hunters Point Shipyard Basewide Groundwater Monitoring Plan

BCT Meeting – 20 May 2003

20 May 2003 BCT Meeting

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Primary Objectives

- **Provide bridge between monitoring conducted for Groundwater Data Gaps Investigations and monitoring to be conducted under RODs**
- **Monitor identified groundwater contaminant plumes**
- **Further evaluate spatially and temporally isolated groundwater contaminants**

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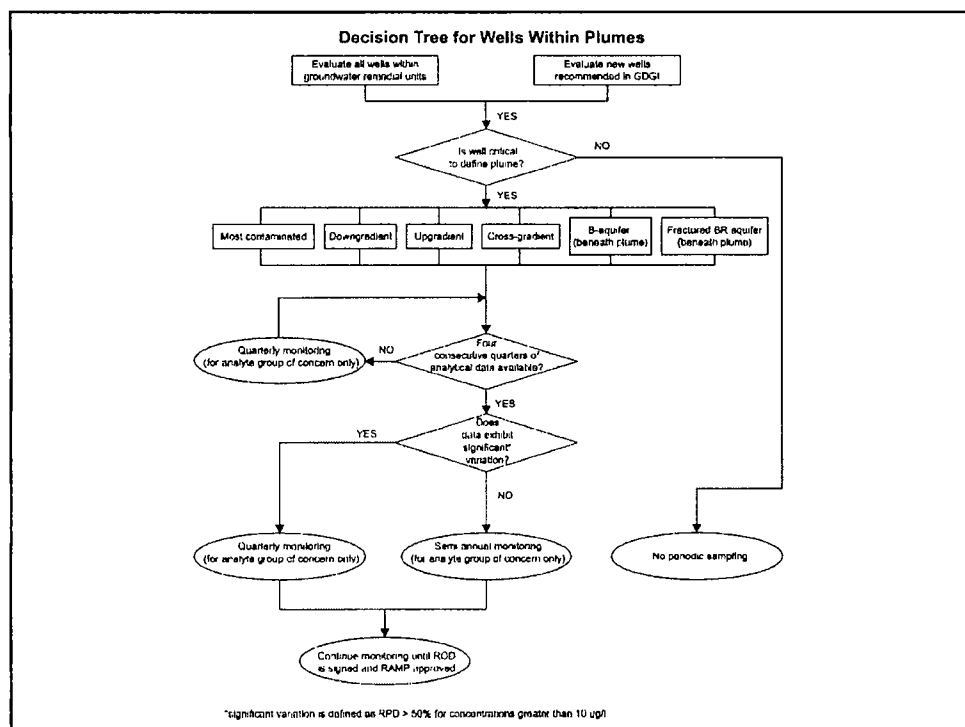
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Specific Objectives

- Implement Phase III GDGI Report recommendations for Parcels C, D, and E
- Establish monitoring program at IR 01/21 Landfill using Title 27 as guidance
- Evaluate seasonal influence
- Monitor repairs to sewer and water supply lines
- Refine post-ROD monitoring at Parcel B

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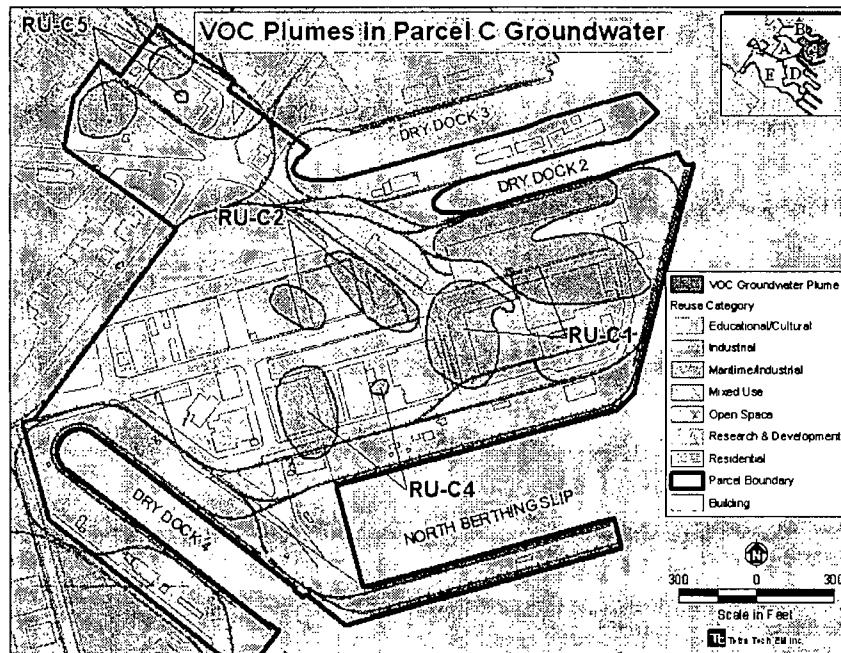


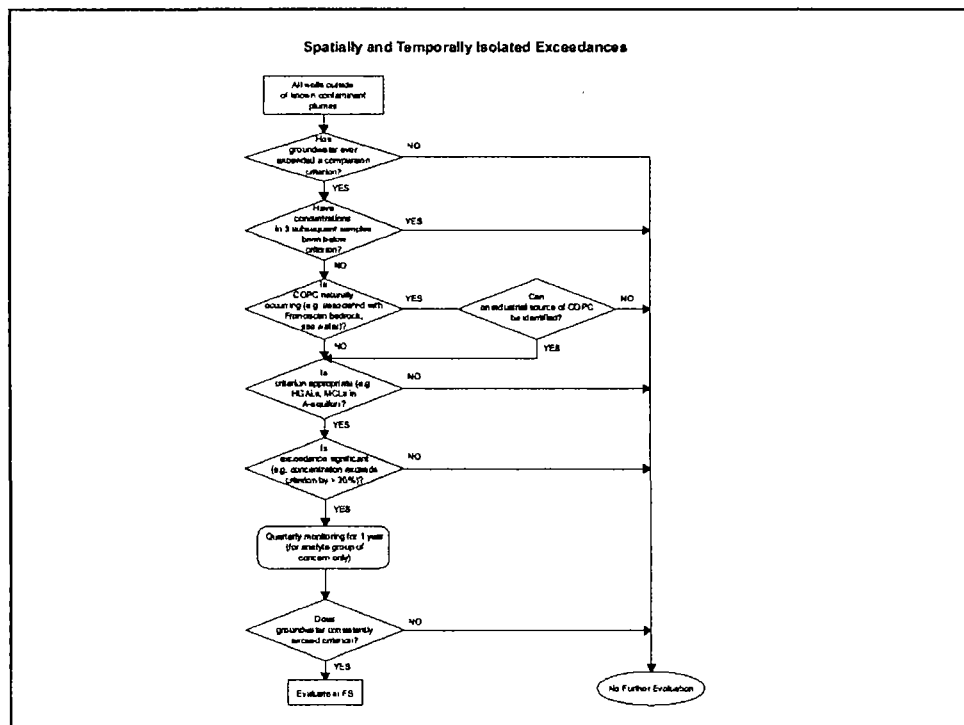
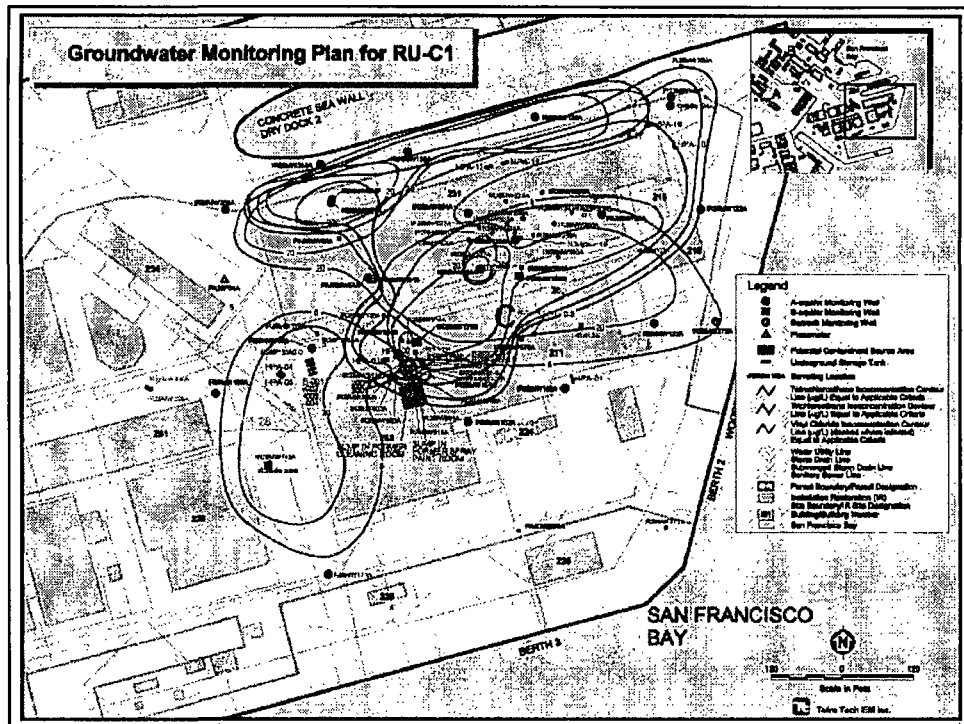
Monitoring Known Plumes

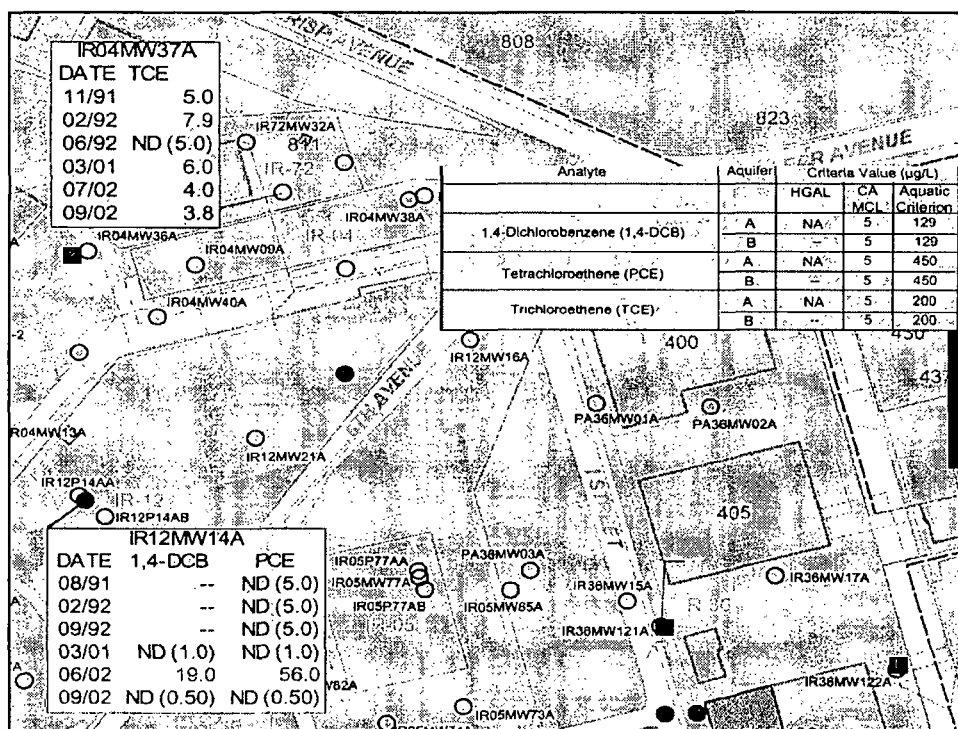
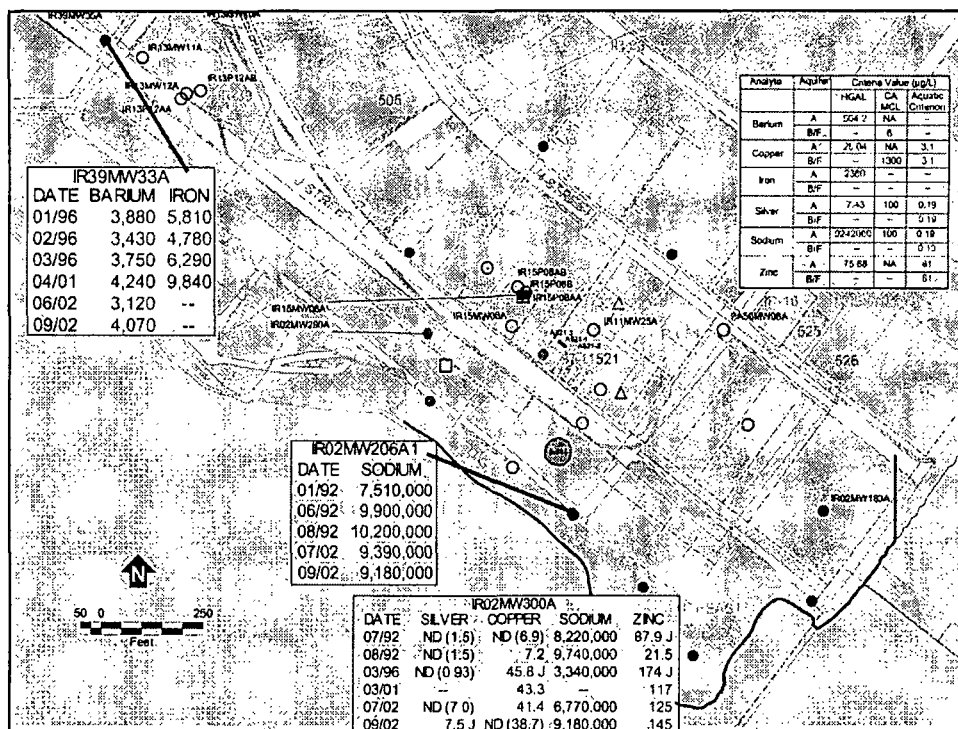
- Example from RU-C1 (Parcel C) illustrates how plume in IR-28 would be monitored between now and ROD

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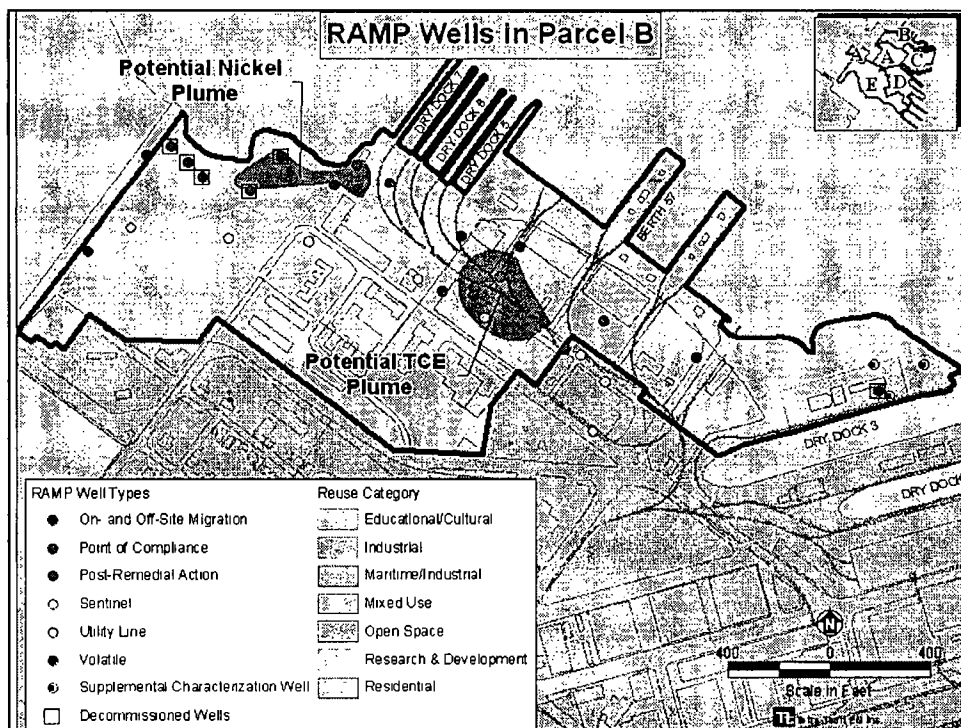


Groundwater Monitoring in Parcel B

- 5-yr review will recommend refinements for Parcel B GW Monitoring
 - additional monitoring at IR10 TCE plume
 - additional monitoring at IR26 for Hg
 - replacement of POC wells (some were destroyed during remedial action)
 - eliminate monitoring at wells that have shown little variation in 5 years of monitoring

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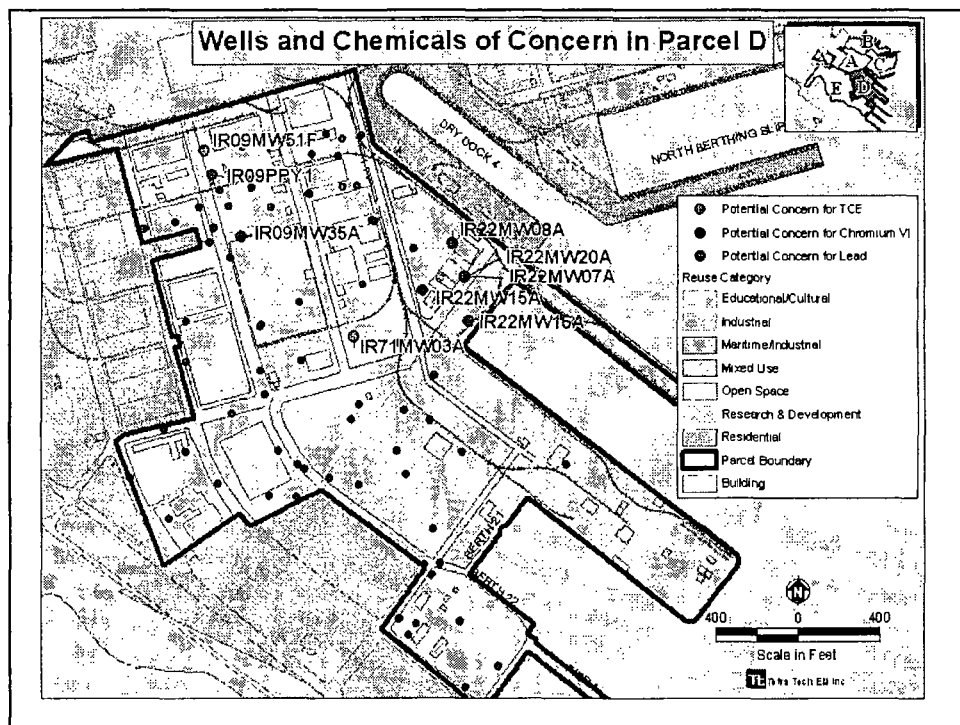


Groundwater Monitoring in Parcel D

- No plumes identified
- Recommended ongoing sampling to address:
 - temporally isolated lead in IR22
 - spatially isolated TCE in IR71, and
 - spatially isolated TCE and Cr^{+6} in IR09

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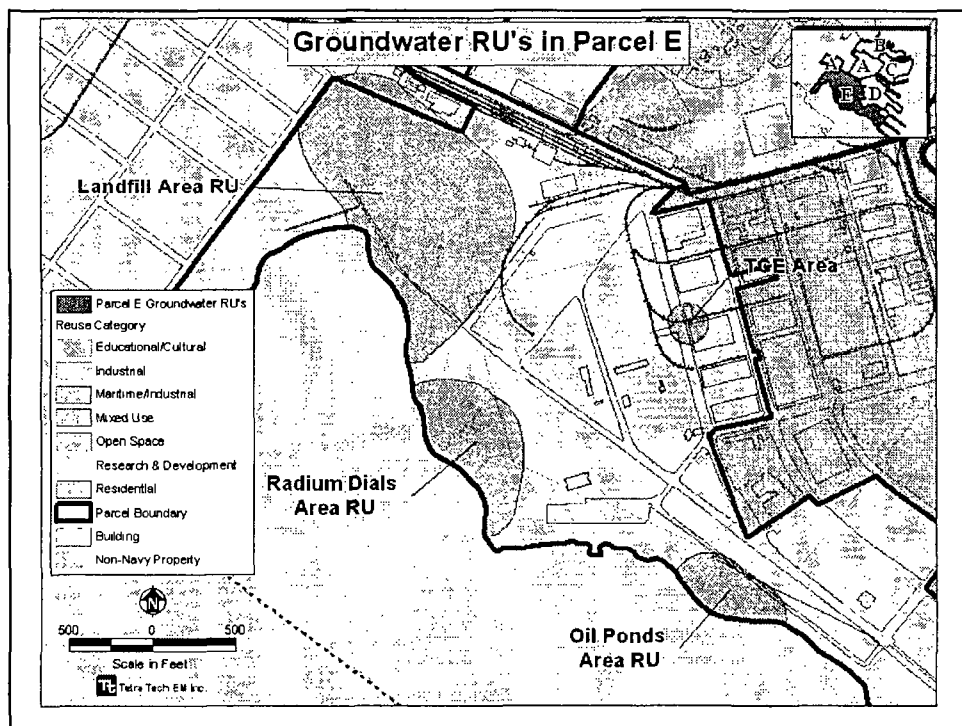


Groundwater Monitoring in Parcel E

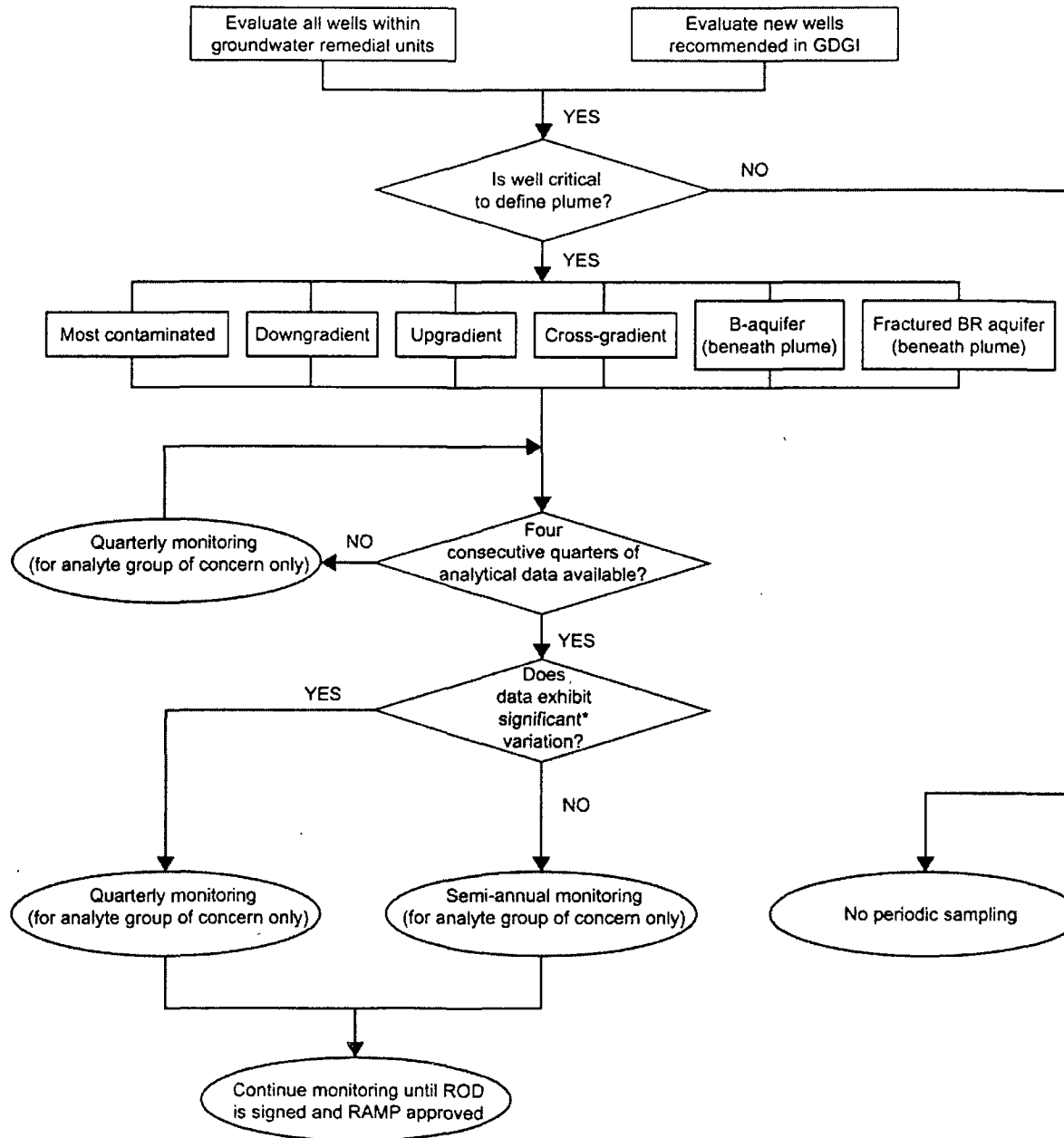
- IR01/21 Landfill (use Title 27 as guidance)
- Radium dial disposal area (IR-02)
- Oil ponds area (IR-03)
- Building 406 TCE plume

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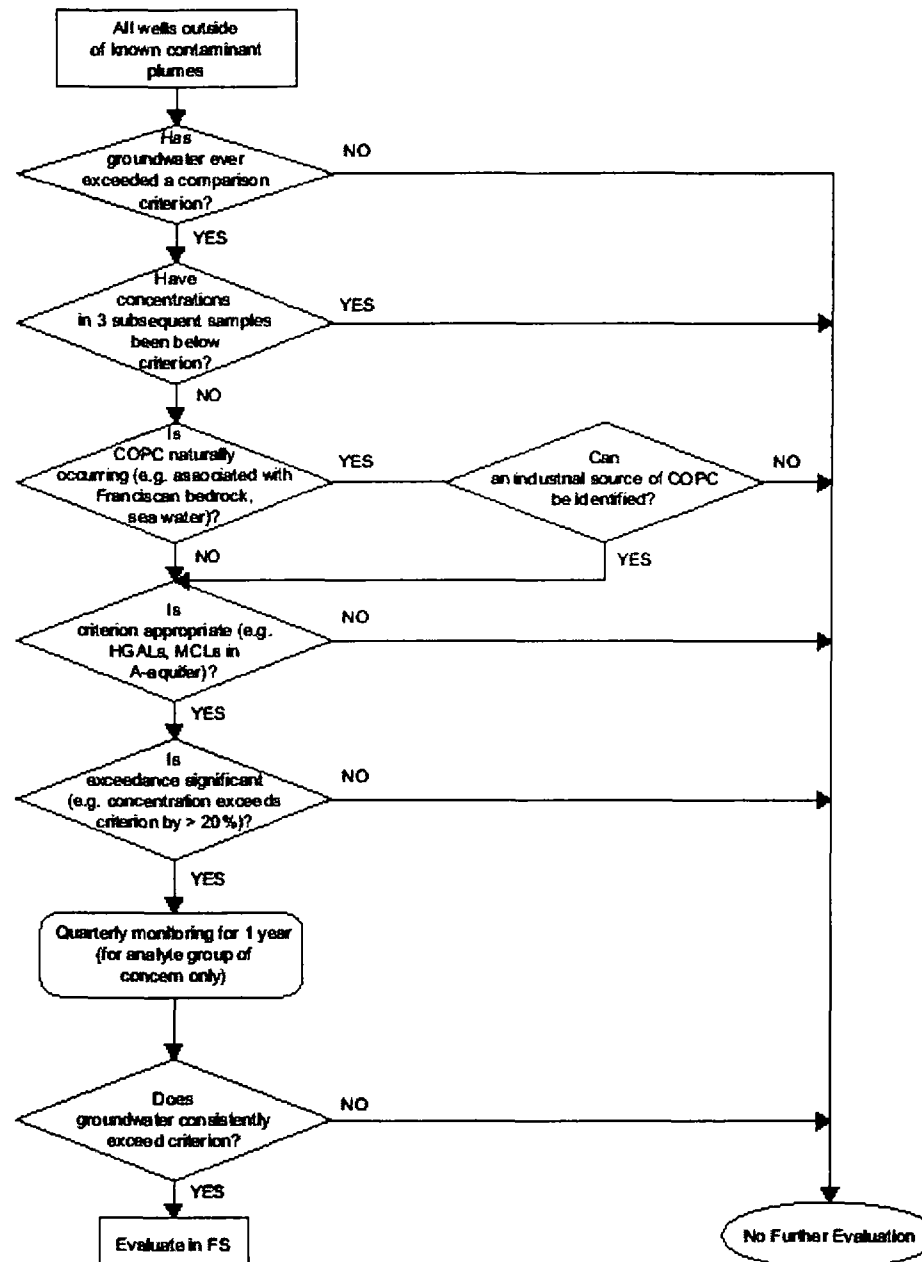


Decision Tree for Wells Within Plumes



*significant variation is defined as RPD > 50% for concentrations greater than 10 ug/l

Spatially and Temporally Isolated Exceedances



HPS Community Relations Plan BCT Update

May 20, 2003

CRP Timeline

- **October 2002:** Announced to the RAB that the Navy was updating the CRP
- **December 2002:** Created ad-hoc RAB CRP Subcommittee to meet and discuss process
- **January 2003:** Ad-hoc RAB CRP Subcommittee helped Navy finalize interviewee list and questions
- **February-April 2003:** Navy and EPA conducted interviews

Who Was Interviewed?

A Total of 40 interviews were completed

- ❖ Residents in 94124
- ❖ Professionals in 94124
- ❖ Shipyard Tenants
- ❖ Community Organizations
- ❖ Sensitive Populations (seniors and children)
- ❖ Educational Groups
- ❖ Businesses
- ❖ Homeowners Associations
- ❖ Media
- ❖ Environmental Groups

Adequacy of the Cleanup

- Cleanup will take too long
- Cleanup may not actually happen
- The cleanup will not be to residential standards
 - Reuse capabilities will be limited

Community Involvement

- Lack of communication between the Navy and the community
- The Navy and the City are not considering community concerns in the reuse of the Shipyard
- Lack of jobs opportunities for the community during the cleanup

RAB Meetings

- **5 RAB members and 2 regular RAB meeting attendees were interviewed**
- There is not enough time at RAB meetings for the Navy to hear community concerns
- Improved organization of meetings
 - More presentations
 - Improve facilitation

Communication

- Lack of communication during the cleanup was the largest concern from the interviewees
- The community does not know who to contact or where to find information relevant to the cleanup
- Interviewees suggested that written information be
 - Limited to about a page
 - Community friendly language

Communication (Cont.)

- Information Interests
 - Health and Safety
 - Cleanup Progress
 - Reuse Plans
- Language Interpretation
 - Most interviewees expressed the importance of communicating with the large Chinese and Hispanic population in the Bayview/Hunters Point Community

Confidence in Cleanup Team

- Navy
 - Yes 23 No 11
 - Somewhat/Depends/Don't Know 6
- EPA
 - Yes: 26 No: 10
 - Somewhat/Depends/Don't Know 4
- DTSC
 - Yes: 14 No: 9
 - Somewhat/Depends/Don't Know 17

Confidence in Cleanup Team (Cont.)

Navy

- Reasons for lack of confidence
 - Lack of funding/cleanup will be done cheaply
 - Poor history of military cleanup at other sites
- Reasons for confidence
 - Very capable, have technical expertise
 - Good oversight of the the project

Confidence in Cleanup Team (Cont.)

EPA

- Reasons for lack of confidence
 - Not visible in community
 - Conflict of government agency overseeing another government agency
- Reasons for confidence
 - Dedicated and conscientious
 - Very active in the Bay Area

Confidence in Cleanup Team (Cont.)

DTSC

- Reasons for lack of confidence
 - Nearly half of the interviewees were unfamiliar with DTSC
 - State budget issues
- Reasons for confidence
 - Confidence in state agencies
 - They watch out for local communities

Draft CRP Components


- Examines the current community relations program
- Discusses Interview Results
- Propose outreach activities to fit the needs of the community (based on interview results)
- Community Background
- Site History
- CERCLA Background
- Resources
 - Media
 - Key Contacts
 - Locations for Public Meetings

Draft CRP Out For Review

June 6, 2003

**Comment Period is 45 Days
(June 6 to July 21, 2003)**

QUESTIONS AND ANSWERS




Parcel B Update

BCT Meeting

Hunters Point Shipyard

May 20, 2003

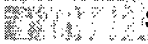
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Overview

- Shoreline Data Gaps
- Five-year Review Report Activities
- Building 123 Treatability Study Expansion
- Construction Summary Report Comment Summary

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Shoreline Data Gaps

- Analyte list expanded to include:
 - Organotins (mono-, di-, tri-, and tetrabutyl tin)
 - Total Organic Carbon
 - Grain Size
 - Hexavalent Chromium
- Analytes also include:
 - Pesticides and PCBs
 - SVOCs
 - TPH extractables
 - Total Metals

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Shoreline Data Gaps

- Project scope expanded to incorporate depth delineation of beach deposits
 - Hand auger through beach sediments and note depth at which fill materials become predominant
- Parcel F sediment dynamics study found both areas of investigation were depositional areas (Woods Hole Group and Battelle, 2001)
 - Field observations support these findings

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Shoreline Data Gaps

- Data from the investigation will provide good information to serve as a basis for future recommendations about the shoreline
- Additional sampling or data collection may be necessary, but this sampling effort will provide the "snapshot" needed to formulate a strategy
- Field activities start May 27, 2003.

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Five-year Review Report Activities

- **Public notification and community involvement**
 - Public notice announcing start of the process published in SF Chronicle on May 12, 2003 and New Bayview on May 14, 2003
 - Announced at RAB meeting on April 24, 2003
- **Interviews held on 12 and 13 May**
 - 10 community members including Bayview residents, Parcel B tenants, and RAB members
 - Conducted by Tetra Tech and EPA community involvement coordinator Jackie Lane
 - Issues raised included dust and increased truck traffic, safety of residential reuse, and need for continued close communications

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Five-year Review Report Activities

- **Site inspection held on May 13, 2003**
 - Focused on integrity of groundwater monitoring system
 - Site access, security, vandalism, and general site conditions were noted
- **Document reviews and report preparation in progress**
- **Report due to BCT July 8, 2003**

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Five-year Review Report Activities

Preliminary Findings

- Parcel B remedy (implemented to date) is protective in the short term
- To be protective in the long term, the Navy recommends:
 - Update the HHRA to include new toxicity values and unify cleanup with reuse
 - Modify soil remedial action objectives (RAOs)
 - Maintain groundwater RAOs, modify groundwater monitoring program

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Five-year Review Report Activities

- Potential RAO modifications include:
 - Maintain RAOs for organics in soil
 - Prevent exposure to ELCR > 1E-6 and HI > 1
 - Modify RAOs for ambient metals in soil
 - Allow risk range for ambient metals (cancer) and
 - Allow HI > 1 for noncancer effects due to ambient metals
- OR
- Maintain RAOs through the use of Parcel-wide Institutional Controls

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Five-year Review Report Activities

- Evaluate Parcel B shoreline as a potential source of contamination to Parcel F
- Perform soil and groundwater treatability studies for VOCs @ IR-10
- Prepare Parcel B RMR summary report to document recommendations to ensure long-term protectiveness
- Prepare proposed plan; community involvement
- Amend Parcel B ROD
 - Scope of ROD Amendment susceptible to change pending negotiations regarding risk range and HI exceedences due to ambient metals

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Building 123 Treatability Study

- Expansion of SVE well network to further evaluate effectiveness of SVE at IR-10 in areas not previously investigated
- Major components include (preliminarily)
 - Installation of 9 new SVE wells
 - Installation of 5 pairs of vapor monitoring points
 - Flow rate adjustments at wells overlying perceived TCE hot spots
 - New workplan and SAP for BCT review
 - Proposed operation of system for six month period

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Building 123 Treatability Study

- Responses will be prepared to EPA comments on Bldg 123 short summary report, but most issues will be addressed by the upcoming workplan, SAP and the following tech memo
- Navy proposes a scoping meeting to get input about what BCT would like to see in the workplan

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CSR Comments

- Broad categories of comments include:
 - Issues with delineation—especially horizontal or vertical placement of confirmation samples
 - Issues with waste profile samples
 - COPCs not added based on waste profile exceedances
 - Nearly all caused by a translation error that dropped the "U" qualifier (indicating a non detection)
 - Terminology issues
 - "Soil screening" and "waste profile" are interchangeable
 - Screening against total TPH (gas + diesel + motor oil)

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CSR Comments

- Majority of all comments will be addressed during the risk management review report and the 5-year review report as the overall process moves forward toward a ROD amendment
- Currently setting scope and schedule for response to comments document

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Hunters Point Shipyard HRA Update 20 May 2003

Steve Doremus, Ph.D.
Director, Environmental Programs



Archive Review

- Archival records reviews complete
- RASO still working with NARA College Park to declassify records
 - Lengthy process
 - Involves multiple agencies
 - May not be complete prior to Draft Final HRA publication (October 03)

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HRA Database

- All documents have been scanned and cataloged in RASO HRA database
- All documents have been reviewed
 - Documents vary in length from 1 to 300 pages
 - Documents include:
 - 2,366 written documents
 - 753 maps
 - 172 interview summaries

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Interview Status

- 207 responses to advertisement to date
- 162 respondents identified as potential interviewees
 - 148 respondents contacted
- 27 respondents selected for face-to-face interviews to be completed by 23 May
 - 17 completed to date
 - 5 will be conducted by telephone due to remote location


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HRA Timeline

- HRA is “on-schedule”
 - May 03: Finish Draft Final HRA
 - June 03: Issue Draft Final HRA for internal Navy review
 - July 03: HRA team incorporates comments from Navy reviewers
 - August 03: Distribute Draft Final HRA to Regulators and Public

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Phase V Investigation

- NWT continuing to work on site at HPS
- Current Focus:
 - Building 253
 - Building 366 (former Building 351B)

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Building 253

- Former Shipyard Optical and Electronics Building



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Building 253 (cont)

- Assessing the extent of contamination. Currently:
 - Screening equipment and furniture left in building
 - Investigating ventilation and piping systems
- No remediation currently on contract

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Building 366



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Building 366 (cont.)

- **Former NRDL Building 351B**
 - Administration
 - Radiation Detection Instrumentation
 - X-ray Facility
- **Shipyard Building 366**
 - Used by various support shops
- **Currently leased by artists**

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Building 366 (cont.)

- **Class 1 survey being conducted**
 - Working with artists to survey their cubicles
 - Surveys will include ventilation systems and piping.
 - Surveys scheduled through 6 June

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OPERATION CROSSROADS

- **Testing of two atomic weapons conducted at Bikini Atoll in summer of 1946**
 - Shot Able – air burst
 - Shot Baker – underwater burst
- **61 support ships and 18 target ships returned to HPS**
 - Target ships most heavily contaminated

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Target Ships

- 6 Target Ships towed to HPS

- USS INDEPENDENCE (CV-22)
- USS GASCONADE (APA-85)
- USS CRITTENDEN (APA-77)
- USS HUGHES (DD-410)
- USS SKATE (SS-305)
- USS SKIPJACK (SS-184)

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Fate of 6 Towed Targets

- USS HUGHES

- Destroyer
- Monitored at HPS and sent to PSNSY for decontamination

- USS SKATE and USS SKIPJACK

- Submarines
- Monitored and tested at HPS before going to MINSY for decontamination

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Fate of Targets (cont.)

- USS INDEPENDENCE,

- Aircraft carrier

- USS GASCONADE AND USS CRITTENDEN

- Attack Transport Ships

- Three ships:

- Monitored, tested, and decontaminated at HPS
- Trace amounts of cesium-137 and strontium-90 (fission products) and plutonium found in fuel on ships

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Target Ship Fuel

- Contaminated from the base surge and subsequent waves from Shot Baker
- Trace quantities of plutonium-239 and fission products (cesium-137 and strontium-90)
- Large quantities of fuel presented unique disposal problem

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How Much Fuel?

- Total of 610,000 gallons estimated
 - USS INDEPENDENCE: 274,000 gallons
 - USS GASCONADE: 84,000 gallons
 - USS CRITTENDEN: 252,000 gallons
- Worse case estimates
- Volumes in correspondence vary

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Disposal of Fuel

- Many options considered
- Final recommendation from BUSHIPS/BUMED was to test burn in HPS shore boilers
 - Fuel from USS GASCONADE first burned as a test to assess effect on environment, workers and power plants
- Established as best method for disposal
- Set standard for disposal of fuel in remaining ships

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Safety Precautions

- Established by BUSHIPS/BUMED:
 - Maintain excess air intake in boiler as high as practicable
 - Blow soot frequently
 - Burn only at high combustion rates
 - Avoid burning if raining
 - Use minimum handling equipment
 - Check tightness of boiler casings
 - Monitor equipment when burning is complete


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Safety Precautions (cont.)

- After burning is complete, continue to operate plant as long as practicable before opening
- If repairs are needed, monitor plant upon opening to ensure it is safe for workers
- Survey an area determined by wind direction during burning extending out one quarter mile or to maximum point of smoke visibility whichever is greater

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Where and When?

- Where was fuel burned?
 - Shore boilers were located in Buildings 203 and 521
- When did the burning take place?
 - Fuel was burned during the months of April, May, June, July and August 1947
 - Records do not specify the exact days that the fuel was burned

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Radioactive Content in Fuel

- Only USS INDEPENDENCE records for plutonium content available
- 274,000 gallons of fuel contained:
 - 650 micrograms (0.0000023 ounces) of Pu-239, which equates to:
 - 40.3 microcuries

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Radioactivity Release

- 99.9% of radioactive material in fuel was carried out with exhaust gases from boiler
- Boiler burn rate was 1300 cubic feet of air for every gallon of oil burned
- Radioactivity released:
 - Plutonium:
 - 6.45×10^{-11} $\mu\text{g/cc}$ of air
 - 3.99×10^{-12} $\mu\text{Ci/mL}$ of air
 - Fission Products:
 - 7.13×10^{-10} $\mu\text{Ci/mL}$ of air

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Plutonium Standards

- 1947 AEC Pu-239 tolerance air effluent concentration:
 - 5×10^{-10} $\mu\text{g/cc}$ of air for 8 hour working day, six days per week for one year
- 2003 NRC comparable Pu-239 air effluent concentration :
 - 2×10^{-14} $\mu\text{Ci/mL}$ of air for 24 hours a day, seven days a week

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Fission Product Standards

- **Unknowns:**
 - 1947 AEC limits for cesium-137 to strontium-90
 - Ratio of cesium-137 to strontium-90 in fission products
- **SFNS calculated total fission products in INDEPENDENCE fuel at:**
 - 7.129×10^{-10} $\mu\text{Ci/ml}$
 - Release calculated to:
 - 2.7×10^3 μCi for 274,000 gallons
- **NRC Limits:**
 - Cs-137: 2×10^{-10} $\mu\text{Ci/ml}$
 - Sr-90: 6×10^{-12} $\mu\text{Ci/ml}$


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Exposure to Personnel

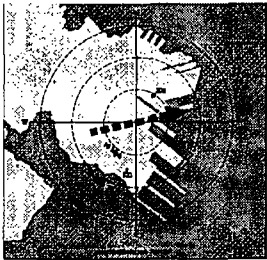
- **Following assumptions made:**
 - Prominent wind direction is WSW
 - Average wind speed is 12 miles/hour
 - Stack height is 50 feet
 - Receptor distance from stack is 250 feet
 - Amount of contamination consistent in fuel
 - 833 gallons/hour burn rate
- **Inside the boundary deposition:**
 - 5.9×10^{-20} $\mu\text{Ci/mL}$

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Exposure to Personnel (cont.)

Prominent
wind direction



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Exposure to Personnel (cont.)

- Using NRC release limit of:
 - 2×10^{-14} $\mu\text{Ci/mL}$ equals 50 mrem/y
- Dose inside the boundary (250 ft from boiler) for person inhaling plutonium would be:
 - 1.24×10^{-5} mrem
- No risk to HPS workers or local residents

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Questions/Discussion

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HUNTERS POINT SHIPYARD BASE REALIGNMENT AND CLOSURE CLEANUP TEAM ACTION ITEMS

Action	Date Identified	Responsible Party	Date Due	Date Accomplished	Notes
Parcel B: discuss the Parcel B strategy letter during the February BCT meeting.	14-Jan-03	Keith Forman (Navy), Tetra Tech	20-Feb-03		
Parcel B: send BCT an annotated outline of the Five-Year Review to initiate the document scoping process.	22-Apr-03	Ryan Ahlersmeyer (Navy), Tetra Tech	TBD	30-Apr-03	
Parcel E (nonstandard data gaps): provide the backup calculations used in the Johnson-Ettinger model. Navy to consider preferred format for submitting findings and backup information.	14-Jan-03	Charles Mazowiecki (Navy), Tetra Tech	TBD	15-May-03	To be included in landfill characterization report.
Parcel E (nonstandard data gaps): add monitoring well screens to the conceptual cross-section depicting groundwater elevations next to the barrier wall.	11-Mar-03	Charles Mazowiecki (Navy), Tetra Tech	TBD		In progress.
Parcel F: RWQCB to consult with other agencies to explore the possibility of issuing an inter-agency consensus letter supporting the RWQCB's Parcel F technical position.	11-Mar-03	Julie Menack (RWQCB), Michael Work (EPA), Chein Kao (DTSC)	TBD	Apr-03	EPA decided to write its own letter. DTSC deferred to RWQCB for state comments.
TPH: discuss land issues as they pertain to TPH cleanup values.	11-Dec-02	Jose Payne (Navy), Amy Brownell (City)	TBD	May-03	Discussed in series of Navy and City meetings

Notes:

BCT Base Realignment and Closure Cleanup Team
City City of San Francisco
Navy Department of the Navy
RAMP Remedial action monitoring plan
RMR Risk management review

RWQCB Regional Water Quality Control Board
TBD To be determined
Tetra Tech Tetra Tech EM Inc.
TPH Total petroleum hydrocarbons
ZVI Zero valent iron

**Recent Completed Review Periods
Document Review Matrix
Hunters Point Shipyard**

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	RWQCB	City of SF
1	Basewide	Draft Historical Radiological Assessment, Volume II	3/29/2002	5/14/2002	EPA requested 15-day extension (original date was 4/29/2002), RTCs submitted on 3/7/2003, draft final document preparation underway	6/6/2002	6/10/02 (Parcel A only)		5/30/2002
2	D	Draft Revised Feasibility Study	3/8/2002	5/23/2002	EPA requested 31-day extension on 3/21/2002, draft final document and RTC preparation underway	6/27/2002	6/21/2002		7/2/2002
3	F	Draft Validation Study Report	4/26/2002	7/10/2002	DTSC requested 30-day extension (original date was 6/10/2002); RTCs (for general and Area X comments) issued 10/24/2002, Draft final with remaining RTCs scheduled for 7/9/2003	6/24/2002	6/28/2002	7/23/2002	6/20/2002
4	Basewide	Total Petroleum Hydrocarbon Groundwater Sampling SAP	7/12/2002	8/11/2002	No comments received - document considered final	n/a	n/a		n/a
5	B	Addendum to the Field Sampling Plan for Confirmation Sampling and Analysis Plan, Parcel B Remedial Action	8/23/2002	9/23/2002	SAP finalized on 2/24/2003; subsequent comments received from DTSC and RWQCB were addressed on 4/28/2003	9/24/2002	9/12/2002		
6	B	Draft IR Site 07 and 18 Technical Memorandum	9/10/2002	10/10/2002	Final report w/ RTCs issued on 3/28/2003, subsequent comments from EPA are being addressed	10/10/2002	10/10/2002		10/15/2002
7	E	Action Memorandum for Landfill Gas Removal Action	9/23/2002	Not applicable	Final document, RTCs planned for May 2003		11/20/2002		
8	E	Project Work Plan for Landfill Gas Removal Action	10/3/2002	Not applicable	Final document, RTCs planned for May 2003	10/24/2002	11/20/2002	11/22/2002	
9	B	Parcel B Waste Consolidation Summary Report	11/25/2002	1/9/2003	Document finalized with RTCs on 4/18/2003	1/30/2003	n/a		
10	D	Phase III GDGI Parcel D Report	12/30/2002	2/13/2003	Document finalized on 3/31/03; additional information missing from final document submitted on 5/9/2003	2/13/2003	n/a		
11	Basewide	Basewide Summary of Construction Details and Current Condition of Monitoring Wells, Phase III Groundwater Data Gaps Investigation	1/16/2003	3/4/2003	No comments received - document considered final		n/a		
12	B	Draft Construction Summary Report	11/18/2002	4/15/2003	EPA requested extensions (original date was 1/3/2003), RTCs planned for June 2003 pending resolution of comments	5/8/2003	4/7/2003	4/4/2003	
13	E	Draft Storm Water Discharge Management Plan for Industrial Landfill	1/7/2003	2/21/2003	RTCs submitted on 4/22/2003, document to be finalized on 5/30/2003	3/13/2003	n/a	3/3/2003	
14	E	Draft Operation and Maintenance Plan for Industrial Landfill	1/7/2003	2/21/2003	RTCs submitted on 4/22/2003, document to be finalized on 5/30/2003	1/21/2003	n/a	3/4/2003	
15	E	Draft Final Landfill Fire Removal Action Closeout Report	2/4/2003	4/18/2003	Document to be finalized on 7/14/2003 pending resolution of agency comments	3/31/2003	n/a	4/16/2003	
16	B	Annual Report / October to December 2002 Quarterly Groundwater Monitoring Report	2/28/2003	4/4/2003	Final annual report w/ RTCs planned for 5/23/03	3/25/2003	n/a	4/14/2003	

Notes

n/a - not applicable (deferred to other agency)

TBD - to be determined

**Ongoing Review Periods
Document Review Matrix
Hunters Point Shipyard**

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	RWQCB	City of SF
1	C/D/E	Revised Draft Total Petroleum Hydrocarbon Corrective Action Plan	11/22/2002	TBD	RWQCB review pending resolution of TPH cleanup goals w/ Navy, City, and RWQCB	n/a	n/a		n/a
2	B	Draft Building 123 SVE Treatability Study Confirmation	3/14/2003	4/28/2003	RTCs planned for June 2003 pending receipt/resolution of agency comments	4/21/2003			
3	C	Phase III GDGI Parcel C Report	3/19/2003	5/23/2003	Revised Phase III report w/ RTCs planned for 7/7/2003 pending receipt of agency comments				
4	Basewide	Draft BRAC Business Plan	4/2/2003	5/19/2003	Document planned to be finalized on 6/18/2003 pending receipt of agency comments	5/19/2003			
5	E	Landfill Gas Characterization Report	5/15/2003	6/30/2003	RTCs planned for 7/31/03 pending receipt of agency comments				
6	E	Landfill Lateral Extent Report	5/15/2003	6/30/2003	RTCs planned for 7/31/03 pending receipt of agency comments				
7	E	Wetlands Delineation Report	5/15/2003	6/30/2003	RTCs planned for 7/31/03 pending receipt of agency comments				

Notes:

n/a - not applicable (deferred to other agency)

TBD - to be determined

**Upcoming Review Periods
Document Review Matrix
Hunters Point Shipyard**

Item	Parcel	Document Name	Approximate Submittal Date	Expected Date for Comments	Notes
1	E	Phase III GDGI Parcel E Report	5/21/2003	45 days from submittal date	Tentative submittal date
2	E	Landfill Liquefaction Potential Report	5/29/2003	45 days from submittal date	Tentative submittal date
3	B	Draft January to March 2003 Quarterly Groundwater Monitoring Report	5/30/2003	21 days from submittal date	Tentative submittal date
4	Basewide	Draft Community Relations Plan	6/6/2003	45 days from submittal date	Tentative submittal date
5	D	Parcel D Waste Consolidation Summary Report	6/6/2003	45 days from submittal date	Tentative submittal date
6	D	Action memorandum for Parcel D Removal Action	6/9/2003	45 days from submittal date	Tentative submittal date
7	E	Phyto-Groundwater Extraction Treatability Study Work Plan	6/11/2003	45 days from submittal date	Tentative submittal date
8	C	Draft Workplan for Sequential Anaerobic/Aerobic Treatability Study at Building 134	6/13/2003	45 days from submittal date	Tentative submittal date
9	D	Workplan for Parcel D Removal Action	6/23/2003	45 days from submittal date	Tentative submittal date
10	B/C	Draft Workplan for Ferox Injection Treatability Study at Buildings 123 and 272	6/23/2003	45 days from submittal date	Tentative submittal date
11	D	UST Closure Request and Documentation	6/25/2003	45 days from submittal date	Tentative submittal date
12	E	Action memorandum for Parcel E Removal Action (if needed)	June 2003	45 days from submittal date	Tentative submittal date
13	E	Draft Shoreline Characterization Technical Memorandum	7/2/2003	45 days from submittal date	Tentative submittal date
14	B	Draft Five-Year Review Document	7/8/2003	45 days from submittal date	Tentative submittal date
15	C	Cost and Performance Summary for Ferox Injection Technology Demonstration at Building 272	7/28/2003	45 days from submittal date	Tentative submittal date
16	B/C/D/E	Draft Groundwater Monitoring Plan	8/4/2003	45 days from submittal date	Tentative submittal date
17	C/E	Phase II SVE Treatability Study Workplan	8/8/2003	45 days from submittal date	Tentative submittal date
18	B	RMR Summary Report	8/15/2003	45 days from submittal date	Tentative submittal date

Notes:

n/a - not applicable (deferred to other agency)

TBD - to be determined

5/20/2003

03-05-20 HPS document tracking matrix